

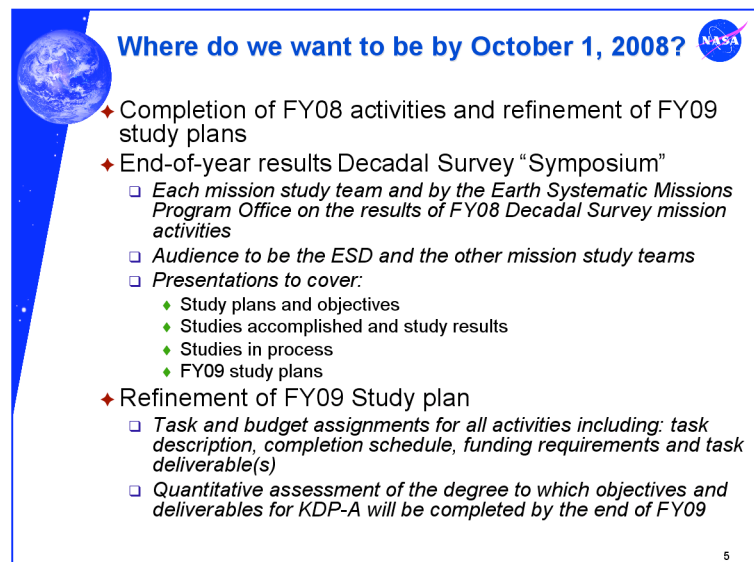
Decadal Survey “Symposium”

Time & Date: 8:00 AM – 5:00 PM, Wednesday, February 11, 2009
8:00 AM – 12:00 PM, Thursday, February 12, 2009
Location: Residence Inn Marriott,
333 E Street SW, Washington DC
202-484-8280

Background

Early in 2008 the ESD formally kicked off efforts to advance the development of the mission concepts defined in the NRC’s Decadal Survey (DS). In February the ESD set development targets for the SMAP and ICESat II missions. In March & April 2008 we established a number of study teams to explore in more detail the mission concepts for the seven other missions in the first two tiers of the DS. In May we formally kicked off these seven mission study teams authorizing them to start spending to achieve their FY08 activities.

At that kick off in May we agreed to reconvene the overall group for an “End-of-year results Decadal Survey ‘Symposium’”, as defined in the chart to the right from the presentation. Our first attempt to hold this gathering on December 4 was canceled due to a scheduling problem. On February 11 and 12, 2009 we will (finally) gather to conduct this “Symposium”. The participants at the symposium are (1) the scientists, engineers, and analysts conducting the tasks, (2) the Earth Systematic Missions (ESM) program office that is supporting the ESD in the management of the tasks, and (3) the ESD science and program managers and executives who are leading the overall DS implementation.



Where do we want to be by October 1, 2008? NASA

- ♦ Completion of FY08 activities and refinement of FY09 study plans
- ♦ End-of-year results Decadal Survey “Symposium”
 - Each mission study team and by the Earth Systematic Missions Program Office on the results of FY08 Decadal Survey mission activities
 - Audience to be the ESD and the other mission study teams
 - Presentations to cover:
 - ◆ Study plans and objectives
 - ◆ Studies accomplished and study results
 - ◆ Studies in process
 - ◆ FY09 study plans
- ♦ Refinement of FY09 Study plan
 - Task and budget assignments for all activities including: task description, completion schedule, funding requirements and task deliverable(s)
 - Quantitative assessment of the degree to which objectives and deliverables for KDP-A will be completed by the end of FY09

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Decadal Survey Symposium Goals & Objectives

To bring everyone together for a day to enable a sharing of lessons learned and to have an open discussion of the progress and pitfalls encountered by the individual teams. While we are not gathering to do a critique of each other’s mission development results, we should be prepared for a frank discussion of the approaches taken and planned and of the successes seen and expected. Particular goals for the symposium include:

1. To review the FY08 and early FY09 accomplishments of each DS mission study team against their initial plans;
2. To review and discuss the remaining FY09 activities and the expected continuation of critical activities into FY10 for the teams;
3. To present and discuss the high priority cross mission science, technology, and infrastructure issues that need to be pursued in addition to the focused individual mission efforts;

4. To look for opportunities for collaboration across mission teams and across Centers where possible;
5. To position the study teams and the overall program to modify our programs as resource allocations change.

The teams prepared an initial set of charts in preparation for the planned Symposium on December 4, 2008. Those charts should serve as the core for your presentations. Guidance for the teams' presentations is provided in a following powerpoint file, updated slightly from the preparations for the December Symposium. Beyond a small core set of charts the presenters are left to their own on how to present the materials. Our focus remains on actual deliverable results as the mission studies develop. Results can include workshop reports, draft level 1 requirements, documented system or configuration trade studies, critical field campaigns with results driving mission designs, etc. An additional focus, now that we have another two months' activities behind us, is to look more clearly to the end of FY09 and to the most appropriate and effective activities to plan into FY10.

Plan to allow time in your presentations for questions and discussion.

Outcomes:

This meeting will confirm the plans for the remainder of FY09, to identify priority cross mission activities to be funded, to define and socialize the expectations of the ESD for the major mission development milestones (Mission Concept Review, Acquisition Strategy planning, and KDP-A among others), and to define appropriate next steps leading to a more complete description of the post-FY09 activities for the mission development teams



Where do we want to be by October 1, 2009? NASA

- ♦ Evaluation of formulation readiness for all missions under study
- ♦ Quantitative assessment of each mission's readiness to proceed to Phase A
 - Technology readiness
 - Revised cost and schedule, possibly including independent cost and schedule assessment (depending on overall maturity and readiness)
 - KDP-A documentation completeness
 - Draft level 1 requirements status
 - Mission concept of operations
- ♦ Mission maturation plan for FY10 and beyond
 - Identification of highest priority activities
- ♦ Decadal Survey Program assessment
 - Cross cutting mission analyses
 - Coordinated activities: Launch vehicles
 - Constellation measurement requirements
 - Other Decadal Survey program needs: Venture class, ground systems, ground networks

Presented May 22, 2008

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Attendance:

Should include the HQ leadership team for each DS mission, the Center science and technical leadership for each study group, and additional principal participants from the individual teams. As we will be focusing on the items listed above, to the degree reasonable we would like to see those responsible for the critical development items to speak to their activities. We will ask the PS/PE team leads, working with their teams, to determine who presents at the meeting, and add that information to an updated agenda. The venue will support an attendance of ~60 people.

Non-NASA participants, including other Agencies or industry, are not excluded, but we do want this meeting to focus on and be led by the active mission study participants.

Stephen Volz

Associate Director for Flight Programs, Earth Science Division

February 3, 2009

Day 1: Wednesday, February 11, 2009

Decadal Survey Missions

Time	Subject	Presenter	Duration
8:15	HQ Welcome & overview	Steve Volz	5
8:20	Meeting Goals & Objectives	Mike Freilich	15
8:35	DS Status Overview	Volz	25
Tire 1 Missions Part 1			
9:00	SMAP	<i>TBD</i>	30
9:40	ICESat II	<i>TBD</i>	30
10:20	Lessons getting to KDP-A & MCR	ESD/ESM PO	15
10:30	Break		15
Tier 1 Missions Part 2			
10:45	DESDynI	<i>TBD</i>	30
11:25	CLARREO	<i>TBD</i>	30
12:05	Lunch		60
Tier 2 Missions			
1:05	Tier 2 Overview	ESD	10
1:15	ESTO DS Investments	ESTO	20
1:45	ACE	<i>TBD</i>	30
2:15	ASCENDS	<i>TBD</i>	30
2:45	Break		15
3:00	GEOCAPE	<i>TBD</i>	30
3:30	HysPIRI	<i>TBD</i>	30
4:00	SWOT	<i>TBD</i>	30
4:30	Day 1 Summary	Volz	30

Day 2: Thursday, February 12, 2009

Decadal Survey Program

Time	Subject	Presenter	Duration
8:00	DS Program Implementation	Volz	60
9:00	Cross Mission Requirements	ESD	30
9:30	Cross Mission Assessments	ESMPO	45
10:15	Break		15
10:30	Cross Mission Synergy Discussion	All	60
11:30	Summary & Actions	ESD	30
12:00	Symposium Close		